

A threadless knock sensor (10, 50) includes a sleeve (12, 52) around which a transducer (24, 64) and a load washer (30, 70) are disposed. A frusto-conical disk spring (34, 78) is installed in compression around the sleeve (12, 52) above the transducer (24, 64). The sleeve (12, 52) includes threadless means for holding the disk spring (34, 78) in compression.